

Practical 1\rpc_client.py

```
1 import xmlrpc.client
2
3 # Connect to the RPC server
4 proxy = xmlrpc.client.ServerProxy("http://localhost:8000/")
5
6 def main():
7     while True:
8         try:
9             num = int(input("\nEnter a non-negative integer to compute factorial: "))
10            result = proxy.factorial(num)
11            print(f"✅ Factorial of {num} is: {result}")
12        except Exception as e:
13            print(f"Error communicating with server: {e}")
14
15        # Ask the user if they want to continue
16        choice = input("\nDo you want to enter another number? (yes/no): ").strip().lower()
17        if choice not in ("yes", "y"):
18            print("Exiting program. Goodbye!")
19            break
20
21 if __name__ == "__main__":
22     main()
23
```